CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.12/Steel/2017-18

28.08.2017

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of work	:	Construction of RCC drain at Chikkasandra Govt., School surrounding areas in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/158/2017-18 Dated: 22.07.2017
* Samples ID	:	12 mm Bar
Technical Reference	:	IS: 1786-2008
Date of Testing	:	28.08.2017

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	12	0.89	517	558	13.35	O.K	O.K

*Information is furnished by the Customer/Representative.

Note:

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⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ಆಸ್ಪತ್ರೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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Basaveshwaranagar, Bangalore-560 079.

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* Reference	:	BBMP/EE/DD/WO/158/2017-18 Dated: 22.07.2017
* Samples ID	:	16 mm Bar
Technical Reference	:	IS: 1786-2008
Date of Testing	:	28.08.2017

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	16	1.58	520	562	13.5	O.K	O.K

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T-2377

27.09.2017

Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-08/418/Cube/2017-18

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Construction of RCC drain at Chikkasandra Govt., School surrounding areas in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/158/2017-18 Dated: 22.07.2017
* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	27.09.2017

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.08.2017	27.09.2017	8.102	495.6	22.03
2	30.08.2017	27.09.2017	8.260	513.2	22.81
3	30.08.2017	27.09.2017	8.310	528.9	23.51

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VIDYARANI P.K.
Technical Manager

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Sample Received on	:	27.09.2017

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.08.2017	27.09.2017	8.116	473.2	21.03
2	30.08.2017	27.09.2017	8.296	506.3	22.50
3	30.08.2017	27.09.2017	8.382	516.3	22.95

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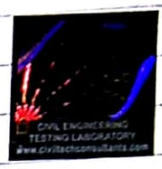

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.09.2017	29.09.2017	8.108	478.3	21.26
2	01.09.2017	29.09.2017	8.229	492.6	21.89
3	01.09.2017	29.09.2017	8.356	503.8	22.39

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